

Abstract

A linear light source having an indented reflecting plane comprises a light guide bar and a light source component. The light guide bar is a polygonal cylinder having an arc-shaped plane. Any two opposed surfaces of the cylinder are an indented reflecting plane and an arc-shaped emission place, respectively. The other surfaces are composed of a plurality of reflecting layers. Through controlling the light-emission slope and height of the indented reflecting plane, the light will be more uniform. The brightness can also be enhanced through the light collecting effect of the arc-shaped emission plane. Moreover, the light source component can let the light emission angle of each LED be closer to accomplish a shorter useless region through the arrangement of the LEDs.